ABSTRACT OF THE DISCLOSURE

A distributed system may include different nodes having different distributed data management configurations in the same distributed data system. A node may include a distributed data manager in a process space for handling requests for data storage and retrieval from clients to the distributed data system. A client may share the same process space in some nodes and may have a distinct process space from a distributed data manager in other nodes. The distributed data system enables the transmission of serialized data among nodes. Nodes in the same distributed data system may store distributed data in serialized or deserialized format depending on their configuration. Various functionalities, such as load balancing or high availability may be implemented using the distributed data system.